



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

September 1, 2011

Mr. Paul A. Harden, Site Vice President  
FirstEnergy Nuclear Operating Company  
Beaver Valley Power Station  
P. O. Box 4, Route 168  
Shippingport, PA 15077

SUBJECT: MID-CYCLE LETTER FOR BEAVER VALLEY POWER STATION, UNITS 1 AND 2  
(REPORT 05000334/2011006 AND 05000412/2011006)

Dear Mr. Harden:

On August 9, 2011, the NRC completed its mid-cycle performance review of the Beaver Valley Power Station, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2010 through June 30, 2011. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined the performance at Beaver Valley, Units 1 and 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In the days following the Fukushima Daiichi nuclear accident in Japan, the Commission directed the staff to establish a senior-level agency task force to conduct a methodical and systematic review of the NRC's processes and regulations to determine whether the agency should make additional improvements to its regulatory system. The NRC has since completed Temporary Instruction (TI) 183, "Follow-up to Fukushima Daiichi Nuclear Station Fuel Damage Event," and TI-184, "Availability and Readiness Inspection of Severe Accident Management Guidelines (SAMGs)" at your facility. Results of these inspections can be found here: <http://www.nrc.gov/japan/japan-activities.html>. Additionally, on May 11, 2011, the agency issued NRC Bulletin 2011-01, "Mitigating Strategies," to confirm compliance with Order EA-02-026, subsequently imposed license conditions, and 10 CFR 50.54(hh)(2), and to

determine the status of licensee mitigating strategies programs. On July 12, 2011, the NRC's Task Force made its recommendations to the Commission in its report, "Recommendations for Enhancing Reactor Safety in the 21<sup>st</sup> Century: The Near-Term Task Force Review of Insights from the Fukushima Daiichi Accident." The NRC is currently reviewing the Task Force's recommendations to determine what additional actions may be warranted.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 610-337-5046 with any questions you have regarding this letter.

Sincerely,

A handwritten signature in black ink, appearing to read "E. M. DiPaolo", is written above the typed name.

Eugene M. DiPaolo, Acting Chief  
Projects Branch 6  
Division of Reactor Projects

Docket Nos.: 50-334, 50-412  
License Nos: DPR-66, NPF-73

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

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Eugene M. DiPaolo, Acting Chief  
Projects Branch 6  
Division of Reactor Projects

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**ML112420684**

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DATE	08/30/11	09/01/11

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**Beaver Valley**  
**Inspection / Activity Plan**

**07/01/2011 - 12/31/2012**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
			<b>71124 - OCC RAD SAFETY - REMP</b>		<b>1</b>
1,2	07/18/2011	07/22/2011	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>711111B - BV2 REQUAL INSP W/ P/F RESULTS</b>		<b>2</b>
2	10/17/2011	10/21/2011	IP 7111111B	Licensed Operator Requalification Program	
			<b>71152B - PI&amp;R</b>		<b>4</b>
1,2	08/29/2011	09/02/2011	IP 71152B	Problem Identification and Resolution	
1,2	09/12/2011	09/16/2011	IP 71152B	Problem Identification and Resolution	
			<b>4/8EXAM - BEAVER VALLEY 1 INITIAL EXAM</b>		<b>4</b>
1	03/12/2012	03/16/2012	U01846	FY-12 BV1 INITIAL OPERATOR LICENSING EXAM	
1	04/09/2012	04/13/2012	U01846	FY-12 BV1 INITIAL OPERATOR LICENSING EXAM	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
1,2	03/12/2012	03/16/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	03/12/2012	03/16/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/12/2012	03/16/2012	IP 71124.04	Occupational Dose Assessment	
			<b>7111108P - INSERVICE INSPECTION</b>		<b>1</b>
1	04/16/2012	04/27/2012	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
1,2	04/23/2012	04/27/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	04/23/2012	04/27/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	04/23/2012	04/27/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	04/23/2012	04/27/2012	IP 71124.04	Occupational Dose Assessment	
			<b>9/24EXM - BV2 INITIAL EXAM</b>		<b>5</b>
2	08/27/2012	08/31/2012	U01850	FY12-BV2 INITIAL OPERATOR LICENSING EXAM	
2	09/24/2012	10/05/2012	U01850	FY12-BV2 INITIAL OPERATOR LICENSING EXAM	
			<b>7111111B - BV1 ON-SITE REQUAL INSP W/ P/F RESULTS</b>		<b>2</b>
1,2	07/29/2012	08/02/2012	IP 7111111B	Licensed Operator Requalification Program	
			<b>EP EX - EP EXERCISE EVALUATION</b>		<b>5</b>
1,2	06/18/2012	06/22/2012	IP 7111401	Exercise Evaluation	
1,2	06/18/2012	06/22/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
			<b>71124 - RW</b>		<b>1</b>
1,2	06/25/2012	06/29/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>8</b>
1,2	07/23/2012	07/27/2012	IP 7111105P	Fire Protection-NFPA 805 Transition Period [Triennial]	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

## Beaver Valley

## Inspection / Activity Plan

07/01/2011 - 12/31/2012

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End				
			<b>TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>8</b>
1, 2	08/06/2012	08/10/2012	IP 7111105P	Fire Protection-NFPA 805 Transition Period [Triennial]	
			<b>71124 - RMS</b>		<b>1</b>
1, 2	07/23/2012	07/27/2012	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>TI-177 - MANAGING GAS ACCUMULATION IN ECCS</b>		<b>3</b>
1, 2	09/10/2012	09/14/2012	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			<b>7111108P - INSERVICE INSPECTION</b>		<b>1</b>
2	10/01/2012	10/05/2012	IP 7111108P	Inservice Inspection Activities - PWR	
2	10/15/2012	10/19/2012	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71124 - OCC RAD SAFETY</b>		<b>1</b>
1, 2	10/22/2012	10/26/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/22/2012	10/26/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	10/22/2012	10/26/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	10/22/2012	10/26/2012	IP 71124.04	Occupational Dose Assessment	

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